AMENDMENT TO THE CLAIMS

Claims 1-66. Cancelled.

67. (New) A local-area wireless communication system for use with a plurality of mobile devices,

comprising:

a plurality of local base stations coupled to a local area network (LAN), the local base stations

being configured to send and receive data over the LAN and to communicate wirelessly with the plurality

of mobile devices;

the plurality of local base stations each having a network address on the LAN and are configured

to send and receive data over the LAN using the network addresses;

a subscription server operating on the LAN that is configured to identify the local base stations

covering one or more of the mobile devices, the subscription server enabling the local-area wireless

communication system to locate mobile devices that are in communication with the local-area wireless

communication system;

each local base station being configured to maintain a routing cache based on communications

received from other local base stations, the routing cache identifying which of the plurality of local base

stations were last in contact with mobile devices from which the communications were initiated; and

each local base station being further configured to route an outgoing communication directed to a

particular mobile device through a different local base station using the routing cache without requiring

the local base station to access the subscription server.

68. (New) The system of claim 67, wherein the subscription server also logs subscription information for

one or more of the mobile devices.

69. (New) The system of claim 67, wherein each local base station includes a subscription list that

identifies the mobile devices currently covered by the identified base station.

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70. (New) The system of claim 67, wherein the local base stations are configured to purge from the route cache data relating to any mobile device to which the local base station has not been in communication for a predefined interval of time.

71. (New) The system of claim 67, wherein the local-area wireless communication system operates within an office.

72. (New) The system of claim 67, further comprising:

a redirector configured to interface the local-area wireless communication system with a widearea wireless network;

the plurality of local base stations being further configured to:

determine if an identified mobile device is currently in communication with the local-area wireless communication system when an outgoing communication is directed to the mobile device; and

either route the outgoing communication to the identified mobile device over the localarea wireless communication system if the identified mobile device is currently in communication with the local-area wireless communication system, or route the outgoing communication to the redirector if the identified mobile device is not currently in communication with the local-area wireless communication system.

73. (New) The system of claim 72, wherein the redirector is further configured to route outgoing communications over the wide-area wireless network;

whereby mobile devices are able to send and receive data while roaming between the wide-area wireless network and the local-area wireless communication system.

74. (New) The system of claim 72, wherein the plurality of mobile devices use a wide-area wireless network protocol to communicate over both the local-area wireless communication system and the wide-area wireless network

75. (New) The system of claim 72, wherein the plurality of local base stations each have a network address on the LAN and are configured to send and receive data over the LAN using the network addresses, and wherein the data received from a mobile device using the wide-area wireless network protocol is tunneled through the LAN using the network address for a local base station.

76. (New) The system of claim 72, wherein the redirector interfaces the local-area wireless communication system with the wide-area wireless network via a wide-area computer network.

77. (New) The system of claim 72, wherein the redirector is further configured to transfer electronic messages into an electronic mailbox.

78. (New) The system of claim 72, wherein the mobile devices transmit and receive electronic mail messages over the local-area wireless communication system and the wide-area wireless network.

79. (New) The system of claim 72, wherein the mobile devices transmit and receive voice communications over the local-area wireless communication system and the wide-area wireless network.

80. (New) The system of claim 72, further comprising:

a mail server operating on the LAN and having access to a wide-area computer network, the mail server being configured to send and receive electronic messages over the wide-area computer network and the LAN;

wherein the redirector is further configured to forward electronic mail messages from the mail server to the mobile devices.